Abstract of the Disclosure

The invention is based on a method for operating an electrical machine (1) for the production of electrical power (13) comprising an excitation winding (2) and a stator winding (4). A converter configuration (6), e.g., a pulse-width modulation inverter, is located downstream from the electrical machine (1). In the lower speed range, the output of electrical power (12) takes place along the torque line (29) independently of the number of coils w_1, w_2 in a stator winding (4). In the upper speed range, the output of electrical power (12) takes place via a stator winding (4) having a small number of coils w_2.

(Figure 3)